

(29/07/2025)

① veridância, ② $x + \bar{x} = 1$; ③ $x \cdot 1 = x$; ④ $x + x = x$

* Mapas-K p/ 5 variáveis

	\bar{B}	B	\bar{E}		\bar{B}	B	E
\bar{A}					\bar{A}		\bar{C}
							C
A					A		\bar{C}
	\bar{D}	D	\bar{D}		\bar{D}	D	\bar{D}

→ Pesquisar e implementar um algoritmo de simplificação Algorítmica.

* Lab 5

Q1	d_1	d_2	d_1	d_0	a	b	c	d	e	f	g	Q3	$F(d_3, d_2, d_1, d_0) = a =$
Q2	0	0	0	0	1	1	1	1	1	1	0		$\bar{d}_3 \bar{d}_2 \bar{d}_1 \bar{d}_0, \bar{d}_3 \bar{d}_2 d_1 \bar{d}_0,$
	0	0	0	1	0	1	1	0	0	0	0		$\bar{d}_3 \bar{d}_2 d_1 d_0, d_3 \bar{d}_2 d_1 d_0,$
	0	0	1	0	1	1	0	1	1	0	1		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	0	0	1	1	1	1	1	1	0	0	1		$d_3 \bar{d}_2 d_1 \bar{d}_0, d_3 \bar{d}_2 d_1 d_0,$
	0	1	0	0	0	1	1	0	0	1	1		$F() = b =$
	0	1	0	1	1	0	1	1	0	1	1		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	0	1	1	0	1	0	1	1	1	1	1		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	0	1	1	1	1	1	1	0	0	0	0		$\bar{d}_3 d_2 d_1 d_0, \bar{d}_3 d_2 d_1 d_0,$
	1	0	0	0	1	1	1	1	1	1	1		$d_3 \bar{d}_2 d_1 \bar{d}_0, d_3 \bar{d}_2 d_1 d_0,$
	1	0	0	1	1	1	1	1	0	1	1		$F() = c =$
	1	0	1	0	x	x	x	x	x	x	x		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	1	0	1	1	x	x	x	x	x	x	x		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	1	1	0	0	x	x	x	x	x	x	x		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	1	1	0	1	x	x	x	x	x	x	x		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	1	1	1	0	x	x	x	x	x	x	x		$\bar{d}_3 d_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0,$
	1	1	1	1	x	x	x	x	x	x	x		$d_3 d_2 d_1 \bar{d}_0, d_3 d_2 d_1 d_0,$

Continuo depois

$$() = g = \bar{d}_3 \bar{d}_2 d_1 \bar{d}_0, \bar{d}_3 d_2 d_1 d_0, \bar{d}_3 d_2 \bar{d}_1 \bar{d}_0, \bar{d}_3 d_2 \bar{d}_1 d_0, \bar{d}_3 d_2 d_1 \bar{d}_0, \\ d_3 \bar{d}_2 \bar{d}_1 \bar{d}_0, d_3 \bar{d}_2 \bar{d}_1 d_0$$